# Administration Report of the Public Works Department in the Bombay Presidency for the Year 1925-26

## Part I

With a detailed review of the Civil and Military Works

(Part II—Irrigation works with accounts and statistical statements is issued separately)

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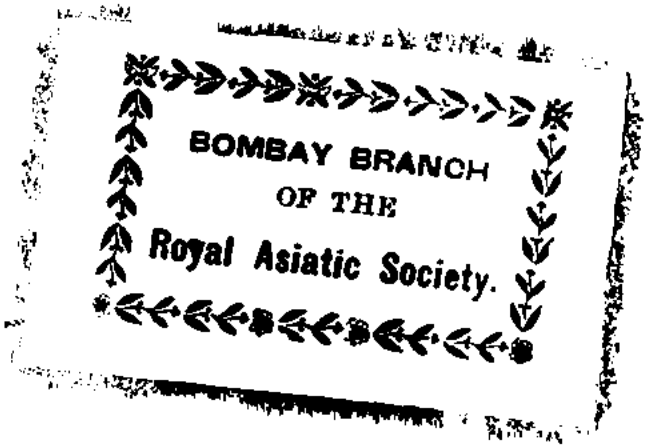
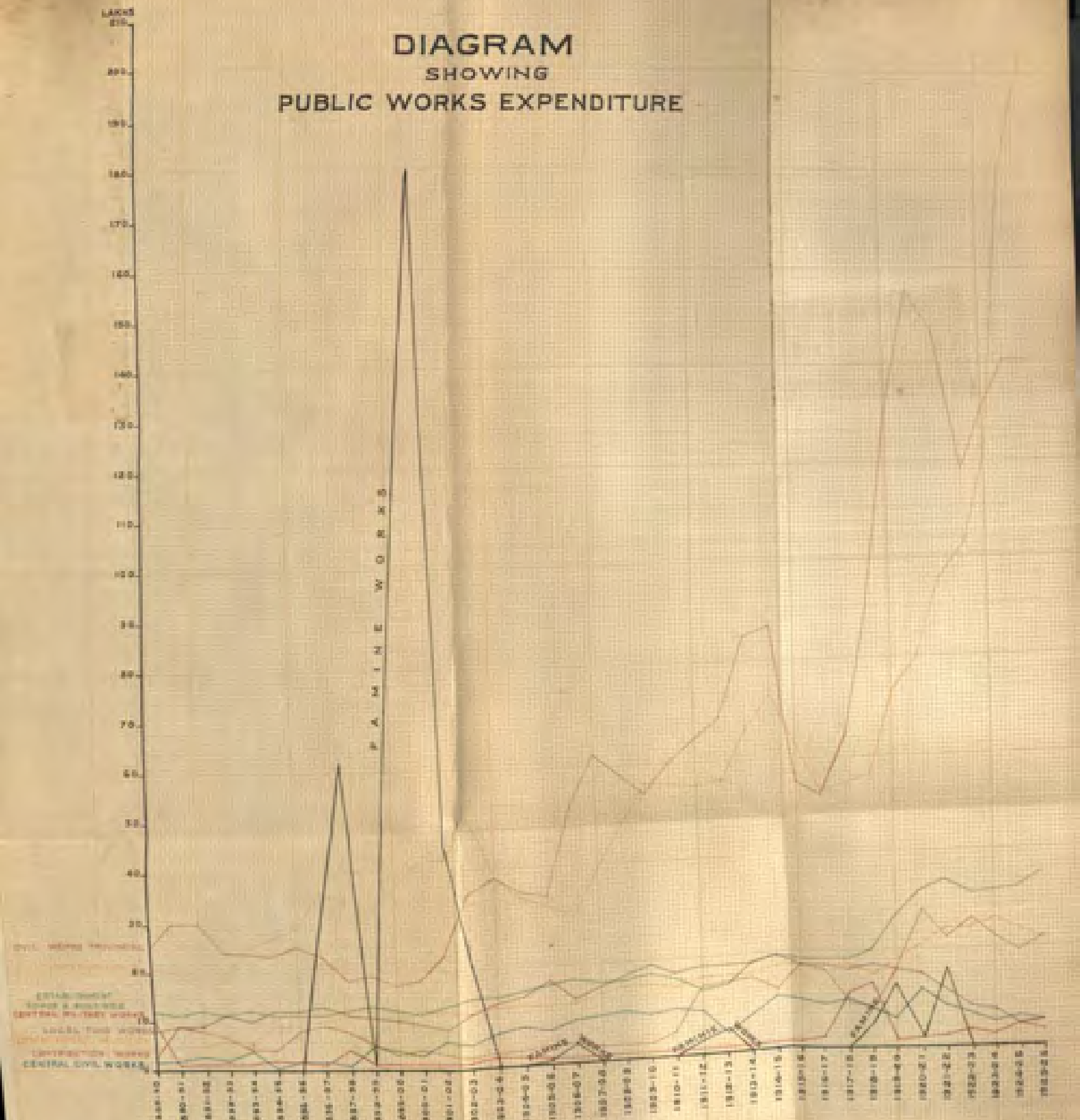



with financial assistance
Government of Maharash
on 22 July 2017

# DIAGRAM
## SHOWING
## PUBLIC WORKS EXPENDITURE

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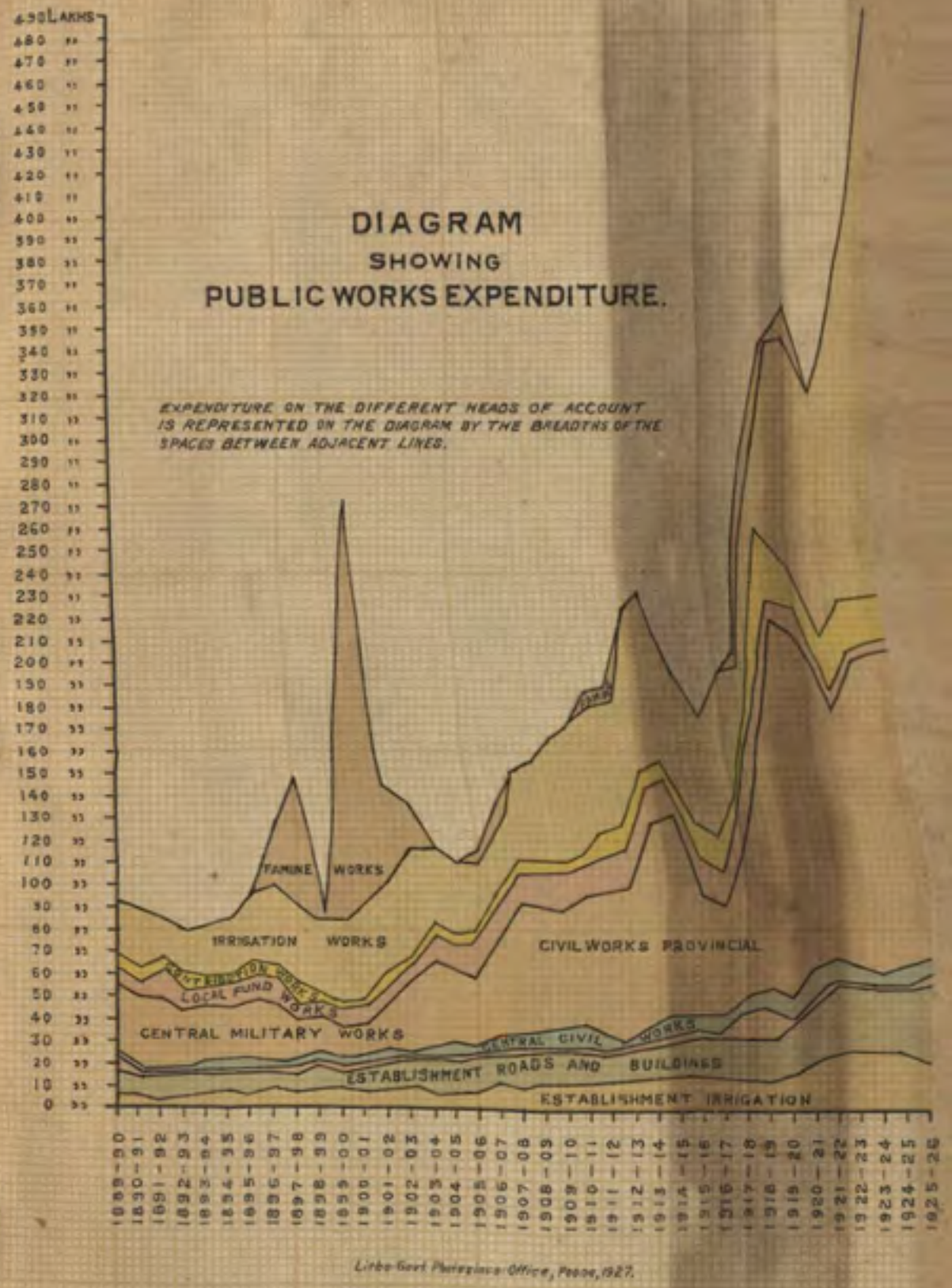


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Curves illustrating the annual expenditure on works during the 36 years ending 1925-26.

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Post and Telegraph Office, Poona City.

Judicial Courts, Karachi.

Courts for the Sub-Judge and Joint Judges at Nadiad.

New Jail for Under-trial prisoners at Arthur Road, Bombay—Offices and quarters for the Superintendent, Jailor and Deputy Jailor.

King Edward Memorial Hospital, Parel, Bombay.

Extension of the B. J. Medical School attached to the Hathising and Premabai Civil Hospital at Ahmedabad.

The Hathising and Premabai Civil Hospital, Ahmedabad—Extension of the Ophthalmic Ward.

Causeway over the river Sina at Wadakbal on the Sholapur-Bijapur road with 13 openings of 20′ span each.

Converting the old Railway Bridge near the Sangam, Poona, into a road bridge.

Extension of the Dhulia-Bhusawal road to the Nimar Frontier—Section from Warangaon to Edlabad. Bridge over the Bhogavati river.

Public Works Division map.

PUBLIC WORKS DEPARTMENT

BOMBAY PRESIDENCY

# ADMINISTRATION REPORT WITH A DETAILED REVIEW OF THE CIVIL AND MILITARY WORKS FOR THE YEAR 1925-26

## I.—DIRECTION

During the year under report Mr. R. T. Harrison continued as Chief Engineer for Irrigation and Secretary to Government and Mr. K. S. Framji as Chief Engineer for Roads and Buildings and Joint Secretary to Government. The latter officer proceeded on short leave in November 1925 and Mr. E. M. Duggan, Under Secretary to Government, acted as Chief Engineer (Roads and Buildings) and Joint Secretary to Government in addition to his own duties. On Mr. Framji's return in December 1925 Mr. Duggan reverted as Under Secretary to Government.

2. In consequence of the retirement of Mr. L. W. Lewis, Chief Engineer, from the 9th March 1925, Mr. R. T. Harrison was made Chief Engineer, permanent, and Mr. A. X. Moraes, Superintending Engineer, permanent, from that date. Mr. V. N. Vartak, L.C.E., Acting Chief Engineer, was granted leave for 3 months and 27 days from 10th January 1926 with permission to retire from the service at the end thereof and Mr. V. M. Griffiths was appointed to act as Chief Engineer in Sind in his place.

## II.—ADMINISTRATIVE MEASURES

3. During the year under report the Electrical Branch of the Public Works Department was reorganised, and the Electrical Engineer to Government was given the status of a Superintending Engineer with an Executive Electrical Engineer under him.

### Establishment

4. An important event of the year under report was that a new service called the Bombay Subordinate Engineering Service was formed with effect from 1st November 1925 with a cadre strength of 450 and the members of the existing Lower Subordinate establishment were transferred *en bloc* to that service.

5. Three appointments of Assistant Executive Engineers were made to the Indian Service of Engineers :

(*a*) One by promotion from the Bombay Engineering Service.

(*b*) Two by the Secretary of State in the Europe-recruited branch of the Indian Service of Engineers.

In the India-recruited branch of the same service one "student" was appointed in accordance with the guarantee given to the College of Engineering, Poona, and the N. E. D. Civil Engineering College, Karachi.

6. Twenty selected Upper Subordinates were promoted as usual to the Bombay Engineering Service during the year and 3 engineering graduates from the College of Engineering, Poona, and the N. E. D. Civil Engineering College, Karachi, were also taken up as "Candidates" for that service.

7. Mr. G. H. Thiselton-Dyer, Mechanical Engineer to Government, was permitted to resign his appointment under this Government from the 28th November 1925. Since then the post of Mechanical Engineer to Government has not been filled and the Sanitary Engineer to Government has been carrying on the duties thereof in addition to his own.

8. Mr. G. Wittet was appointed as Consulting Architect to this Government on a contract for 5 years with effect from the 1st January 1926 and an Assistant Architect was also appointed in the Architectural Branch from the 15th April 1925.

## III.—TERRITORIAL CHANGES

9. An executive division called the Poona Drainage Construction Division was formed for a period of 2 years with effect from the 1st July 1925.

10. The continuance of 22 temporary charges, 4 administrative and 18 executive, created for the Lloyd Barrage and Canals Construction scheme was sanctioned by the Government of India for a further period of 5 years from 1st July 1925. The Headquarters Works Division was also continued for 1 year from July 1925.

11. During the year under review two new sub-divisions, namely, Head Remodelling Sub-division and the Tail Survey and Remodelling Sub-division, were formed in the Poona Irrigation Division, for a period of 3 years in the first instance, with effect from 1st August 1925, with headquarters at Nira and Baramati, respectively for carrying out the remodelling of the Nira Left Bank Canal.

12. The following sub-divisions were continued for the period mentioned against each :—

(*i*) Lake Arthur Hill Sub-division in the Nasik Irrigation Division for a period of 1 year from 1st April 1925 to 31st March 1926.

(*ii*) Project sub-division in the Fuleli Canals Division for a period of 1 year ending 30th November 1926.

(*iii*) Special Project Sub-division in the Karachi Canals Division for a period of 1 year ending 1st November 1926.

13. The headquarters of the Lake Arthur Hill Sub-division in the Nasik Irrigation Division were changed temporarily from Bhandardara to Nasik from 15th June to 15th September 1925. Those of the Project

Sub-division in the Karachi Canals Division were changed temporarily from Gujo to Karachi from 13th July 1925 till the preparation of the project for improvements to Kalri Canal was completed.

14. Under the Lloyd Barrage and Canals Construction Project, 67 sub-divisions were created to the end of March 1926.

15. The sub-division which was created for the construction of the work of the King Edward Memorial Hospital, Parel, was closed down from 31st March 1926.

A temporary sub-division was formed for the work of the High School at Larkana from March 1925 to end of March 1926.

The re-opening of the Rajkot Sub-division was sanctioned.

MISCELLANEOUS

16. In consequence of the recommendations of the Lee Commission a revised scale of pay with Overseas Pay was sanctioned for the Specialist Officers of the Public Works Department with effect from the 1st April 1924.

17. In view of the orders received from the Government of India the question regarding the withdrawal of the Indian Service of Engineers guarantee was taken up during the year. Pending final decision thereon, however, the Principals of the two Engineering Colleges at Poona and Karachi have been informed that no appointment will be made to the Indian Service of Engineers from the students entering the Colleges in the year 1925 onwards.

18. A scheme for giving practical training to the students passing out of the Colleges of Engineering at Poona and Karachi was put in force from July 1925 and 6 graduates (4 from the Poona Engineering College and 2 from the N. E. D. Civil Engineering College, Karachi) were appointed as stipendiaries in the Public Works Department for acquiring practical training on works in progress.

19. Certain posts of clerks in the office establishment of the Sanitary Engineer to Government and Executive Engineer, Poona Water Works Division, were made permanent during the year under report.

## IV.—DETAILED REVIEW

### A.—CIVIL BUILDINGS

During the period under review the Roads and Buildings Branch of the Public Works Department of the Presidency executed works, the total expenditure on which was Rs. 2,15,17,758. The more important details are given under the various heads below :

*Central Services*

| *Customs*— | Rs. |
|---|---|
| On works .. .. .. .. | 1,06,403 |
| On repairs .. .. .. .. | 48,883 |
| Total .. | 1,55,286 |

| *Salt*— | | Rs. |
|---|---|---|
| On works | .. .. .. .. | 32,657 |
| On repairs | .. .. .. .. | 95,101 |
| | Total .. | 1,27,758 |

Quarters for 6 European and 6 Indian Preventive officers at Keamari were in progress.

Opium—Under this head Rs. 193 were spent on repairs.

*Administration of Justice*—

Under this head Rs. 223 were spent on repairs on District Courts in Western India States Agency.

*Jails and Convict Settlements, District Jails*—

Under this head Rs. 951 were spent on repairs.

*Police*—

Under this head Rs. 6,891 were spent on repairs.

*Ports and Pilotage*—

Under this head Rs. 394 were spent on repairs.

*Medical*—

Under this head Rs. 1,054 were spent on repairs.

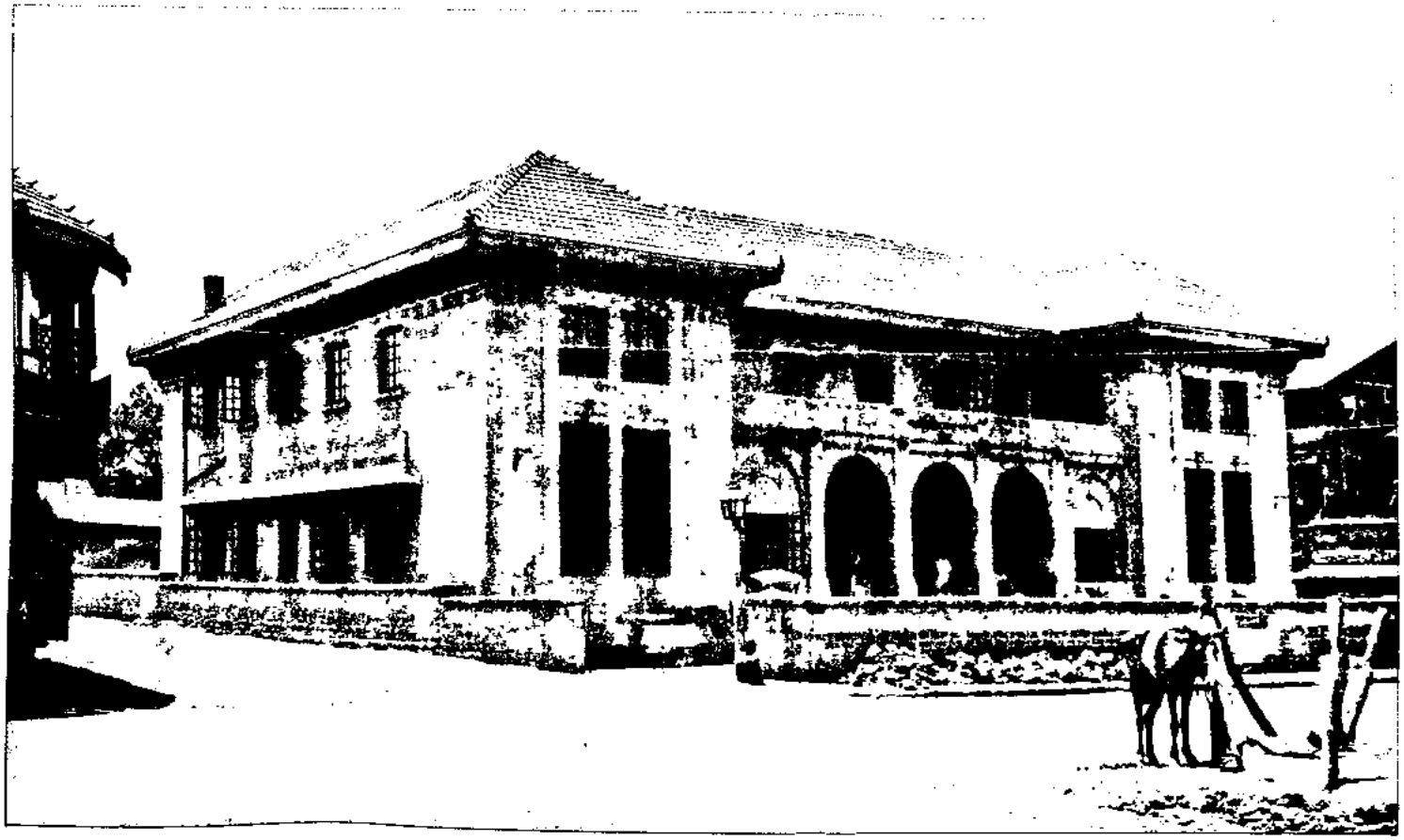
| *Ecclesiastical*— | | |
|---|---|---|
| On works | .. .. .. .. | 4,764 |
| On repairs | .. .. .. .. | 41,360 |
| | Total .. | 46,124 |

| *Political*— | | |
|---|---|---|
| On works | .. .. .. .. | 47,833 |
| On repairs | .. .. .. .. | 48,258 |
| | Total .. | 96,091 |

| *Scientific Departments, Meteorological*— | | |
|---|---|---|
| On works | .. .. .. .. | 1,608 |
| On repairs | .. .. .. .. | 6,232 |
| | Total .. | 7,840 |

*Mint*—

Under this head Rs. 2,384 were spent on works and Rs. 6,876 on repairs.



POST AND TELEGRAPH OFFICE, POONA CITY
Estimated cost—Rs. 2,85,407
Expenditure to end of 1925-26—Rs. 2,36,000
Date of commencement—October 1923
Work in progress

| | | Rs. |
|---|---|---|
| *Currency Buildings—* | | |
| On works | .. | 2,147 |
| On repairs | .. | 15,041 |
| Total | .. | 17,188 |

*Civil Works—*

Under this head Rs. 1,176 were spent on repairs.

| | | |
|---|---|---|
| *Miscellaneous Departments—* | | |
| On works | .. | 6,231 |
| On repairs | .. | 81 |
| Total | .. | 6,312 |

*Communications.—*

Under this head Rs. 1,827 were spent on repairs.

*Miscellaneous—*

Under this head Rs. 8,028 were spent on repairs.

| | | |
|---|---|---|
| **Post Offices—* | | |
| On works | .. | 2,43,888 |
| On repairs | .. | 69,229 |
| Total | .. | 3,13,117 |

New combined Post and Telegraph Office in the Poona City was in progress. A building was acquired for Post Office at Jacob Circle, Bombay.

| | | |
|---|---|---|
| **Telegraphs—* | | |
| On works | .. | 1,09,166 |
| On repairs | .. | 37,843 |
| Total | .. | 1,47,009 |

| | | |
|---|---|---|
| **Archæological—* | | |
| On works | .. | 20,370 |
| On repairs | .. | 55,422 |
| Total | .. | 75,792 |

* From the year 1921-22 the expenditure on Post and Telegraph buildings has been transferred to the Accountant General, Posts and Telegraphs and that on the Archæological works to the Accountant General, Central Revenues.

| *Military Works*— | | Rs. |
|---|---|---|
| On works .. .. .. .. | | 1,83,717 |
| On repairs .. .. .. .. | | 2,46,900 |
| Total .. | | 4,30,617 |

PROVINCIAL SERVICES

| *Land Revenue*— | |
|---|---|
| On works .. .. .. .. | 975 |
| On repairs .. .. .. .. | 2,322 |
| Total .. | 3,297 |

| *Excise*— | |
|---|---|
| On works .. .. .. .. | 58,850 |
| On repairs .. .. .. .. | 22,566 |
| Total .. | 81,416 |

Excise Inspectors' bungalow at Aklas in the Thana Division was in progress and that at Kalol in the Kaira and Panch Mahals Division was completed.

*Stamp*—

Under this head Rs. 39 were spent on repairs.

| *Forest*— | |
|---|---|
| On works .. .. .. .. | 32,053 |
| On repairs .. .. .. .. | 6,264 |
| Total .. | 38,317 |

| *Registration*— | |
|---|---|
| On works .. .. .. .. | 486 |
| On repairs .... .. .. .. | 346 |
| Total .. | 832 |

*General Administration*—

(1) RESIDENCES FOR HEADS OF PROVINCES

| | |
|---|---|
| On works .. .. .. .. | 1,52,896 |
| On repairs .. .. .. .. | 2,53,812 |
| Total .. | 4,06,708 |

JUDICIAL COURTS, KARACHI

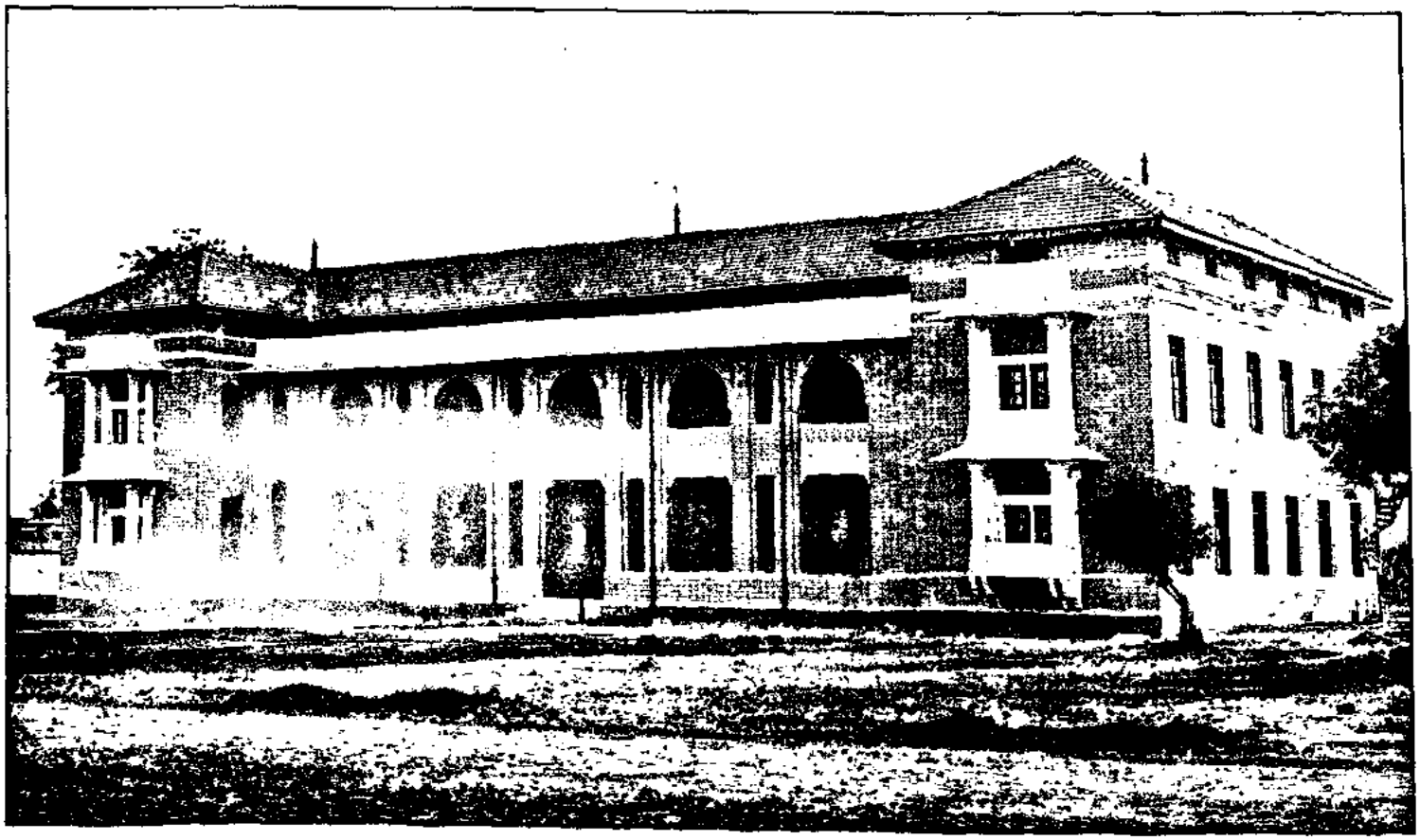
Rear View

Cost as originally estimated (exclusive of subsidiary buildings, electrical installations, sanitary fittings, etc.)—Rs. 29,21,892

Cost as at present estimated—Rs. 22,34,079

Expenditure to end of 1925-26—Rs. 14,29,992

Work in progress



COURTS FOR THE SUB-JUDGE AND JOINT JUDGES AT NADIAD

Estimated cost—Rs. 1,17,774

Actual cost—Rs. 1,04,926

Date of commencement—May 1925

Date of completion—February 1926

Several works in connection with the Government House, Malabar Point, were carried out during the year.

(2) Provincial Legislative Councils

Under this head Rs. 3,415 were spent on works and Rs. 11,892 on repairs during the year.

(3) Secretariat and Head Quarters Establishment

| | Rs. |
|---|---|
| On works .. .. .. .. | 9,274 |
| On repairs .. .. .. .. | 12,968 |
| Total .. | 22,242 |

(4) Commissioners and District Officers

| | |
|---|---|
| On works .. .. .. .. | 6,24,681 |
| On repairs .. .. .. .. | 2,10,578 |
| Total .. | 8,35,259 |

Mahalkari's Kacheri at Shirala in the Satara Division, Mahal buildings at Pathardi in the Ahmednagar Division and Mamlatdar's kacheri at Karmala in the Sholapur Division were in progress. Bungalows for Civil officers at Kopri, Thana Division, were completed.

*Administration of Justice—*

| | |
|---|---|
| On works .. .. .. .. | 21,58,622 |
| On repairs .. .. .. .. | 91,547 |
| Total .. | 22,50,169 |

The work of converting two blocks of buildings in the rear of the New Palace at Satara into Record rooms for the District Court, Satara, was completed.

The principal works still in progress at the end of the year were :—

Several works in connection with the Judicial buildings at Nadiad.

District and Sub-Civil Courts, Poona.
Judicial Courts at Karachi.
New Sub-Judge's Court at Hyderabad.

*Jails and Convict Settlements—*

| | |
|---|---|
| On works .. .. .. .. | 12,38,760 |
| On repairs .. .. .. .. | 29,820 |
| Total .. | 12,68,580 |

The principal works completed or nearly so during the year were :—

Several works in connection with the Special Prison, Thana.

New Jail for Undertrial prisoners and the new Civil Jail for 40 prisoners both at Arthur Road, Bombay. These were handed over to the Jail authorities on 1st February 1926.

The principal works still in progress at the end of the year were :—

New Jail for female prisoners at the Deccan Central Jail, Yeravda, Poona.

Converting sub-jail at Shikarpur into special prison.

Several works in connection with the Central Jail at Nasik.

| *Police*— | | Rs. |
|---|---|---|
| On works | .. | 11,98,478 |
| On repairs | .. | 3,02,706 |
| Total | .. | 15,01,184 |

The principal works completed or nearly so during the year were :—

Police lines at Panvel, Thana Division, at Pardi, Surat and Broach Division, at Nawapur, West Khandesh Division, at Karmala, Sholapur Division, at Sowar 's Gate, Poona City, at Ashta, Satara Division, Machi Miani Police lines at Karachi, Baghdadi Police lines at Karachi, City Police lines at Belgaum, New Police lines at Bagarji, New Police lines at Tangwani and quarters for Armed Head Constables and Constables at Naushahro.

The principal works still in progress at the end of the year were :—

Mounted Police lines at Hyderabad, Sind, and Police accommodation scheme No. II, Part I at Naigaum, Bombay, for housing Armed Police and Recruits.

Police accommodation scheme on the site between the Trust Garage on Arthur Road and Lamington Road, Bombay.

Several buildings in connection with the Police accommodation scheme on the Bombay Port Trust site near Kala Chowki along Jakaria Road, Bombay.

Police lines at Karad, Satara Division.

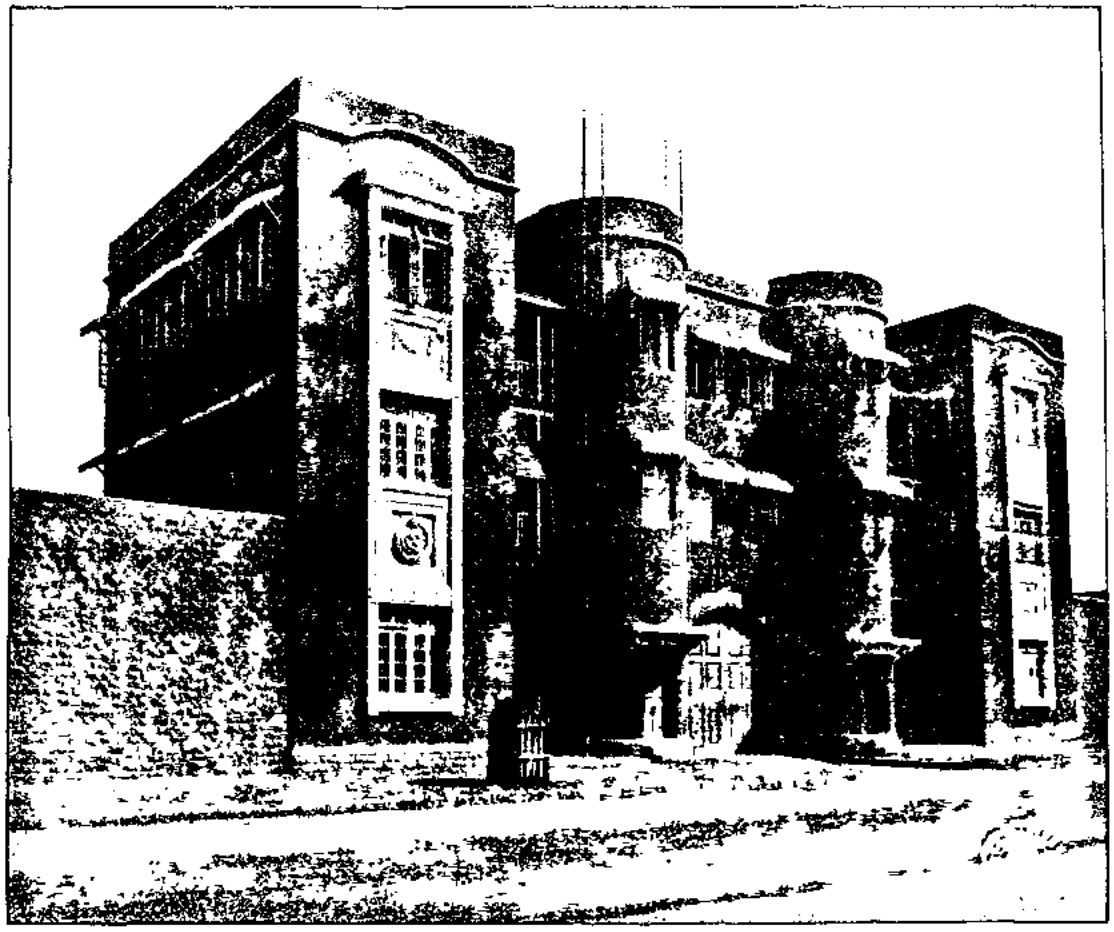
Police lines at Nasik and at Ahmednagar.

Railway Police lines at Hubli and at Gadag.

Ranchore Police lines at Karachi.

New Police lines at Kambar.

Police accommodation scheme No. 46 at Parel on the Bombay Improvement Trust site at Naigaum.



New Jail for Undertrial Prisoners at Arthur Road, Bombay—Offices and Quarters for the Superintendent, Jailor and Deputy Jailor

Front View

Estimated cost—Rs. 13,83,066

Actual cost—Rs. 13,98,377

Date of commencement—February 1924

Date of completion—January 1926

*Scientific Departments—Archaeological Departments—*

Rs. 6,236 were spent on works classified under detailed head 'Miscellaneous' and Rs. 598 were spent on repairs under detailed head Meteorological Department.

*Educational—*

*University—*

| | Rs. |
|---|---|
| On works .. .. .. .. | 2,04,208* |
| On repairs .. .. .. .. | 61,275 |
| Total | 2,65,483 |

Several works in connection with the Engineering College, Poona, Ismail College at Andheri, Thana Division, Government High School at Larkana and Nava Vidyalaya High School at Hyderabad, Sind, were in progress.

*Secondary—*

| | |
|---|---|
| On works .. .. .. .. | 1,72,830† |
| On repairs .. .. .. .. | 33,641 |
| Total .. | 2,06,471 |

*Primary—*

| | |
|---|---|
| On works .. .. .. .. | 11,333 |
| On repairs .. .. .. .. | 7,716 |
| Total .. | 19,049 |

Vernacular School for 200 boys and Anglo-Vernacular School for 75 boys both at Chandol in the Kaira and Panch Mahals Division and boys Primary School and Teachers quarters in the Criminal Tribes Settlement, Umedpur, Sholapur Division were completed.

*Special—*

| | |
|---|---|
| On works .. .. .. .. | 33,591 |
| On repairs .. .. .. .. | 23,454 |
| Total .. | 57,045 |

*Miscellaneous—*

| | |
|---|---|
| On works .. .. .. .. | 13,809 |
| On repairs .. .. .. .. | 12,067 |
| Total .. | 25,876 |

* Includes Rs. 78,153 outlay from Deposit Contributions.

† Includes Rs. 29,091 outlay from Deposit Contributions.

| *Medical*— | | Rs. |
|---|---|---|
| On works | .. .. .. .. | 9,03,601* |
| On repairs | .. .. .. .. | 2,18,619 |
| | Total .. | 11,22,220 |

The principal works completed or nearly so during the year were :—

The King Edward Memorial Hospital, Parel, Bombay, was completed and handed over to the Bombay Municipality in February 1926.

X-Ray room and additional Nurses' quarters in the St. George's Hospital Bombay.

Dispensary building at Suvali, Surat and Broach Division.

The King Edward Memorial Hospital, Sholapur.

The principal works still in progress at the end of the year were :—

Pilgrims Camp, Karachi and Disinfection station, Keamari.

Prince of Wales Ward in the compound of the G. T. Hospital, Bombay.

Veterinary dispensary at Jambusar, Surat and Broach Division.

Several works in connection with the extension of the Civil Hospital and Medical School, Ahmedabad.

Laboratory buildings at the B. J. Medical School, Poona.

New Outpatients' Department, New Operation Theatre and Nurses, servants' quarters, Sassoon Hospital, Poona.

| *Public Health*— | | |
|---|---|---|
| On works | .. .. .. .. | 729 |
| On repairs | .. .. .. .. | 26,441 |
| | Total .. | 27,170 |

| *Agriculture*— | | |
|---|---|---|
| On works | .. .. .. .. | 57,020 |
| On repairs | .. .. .. .. | 24,374 |
| | Total .. | 81,394 |

*Industries*—

Under this head Rs. 4,499 were spent on works during the year.

| *Civil Works*— | | |
|---|---|---|
| On works | .. .. .. .. | 67,843 |
| On repairs | .. .. .. .. | 2,94,485 |
| | Total .. | 3,62,328 |

* Includes Rs. 2,46,952 outlay from Deposit Contributions.

KING EDWARD MEMORIAL HOSPITAL, PAREL, BOMBAY

South West View

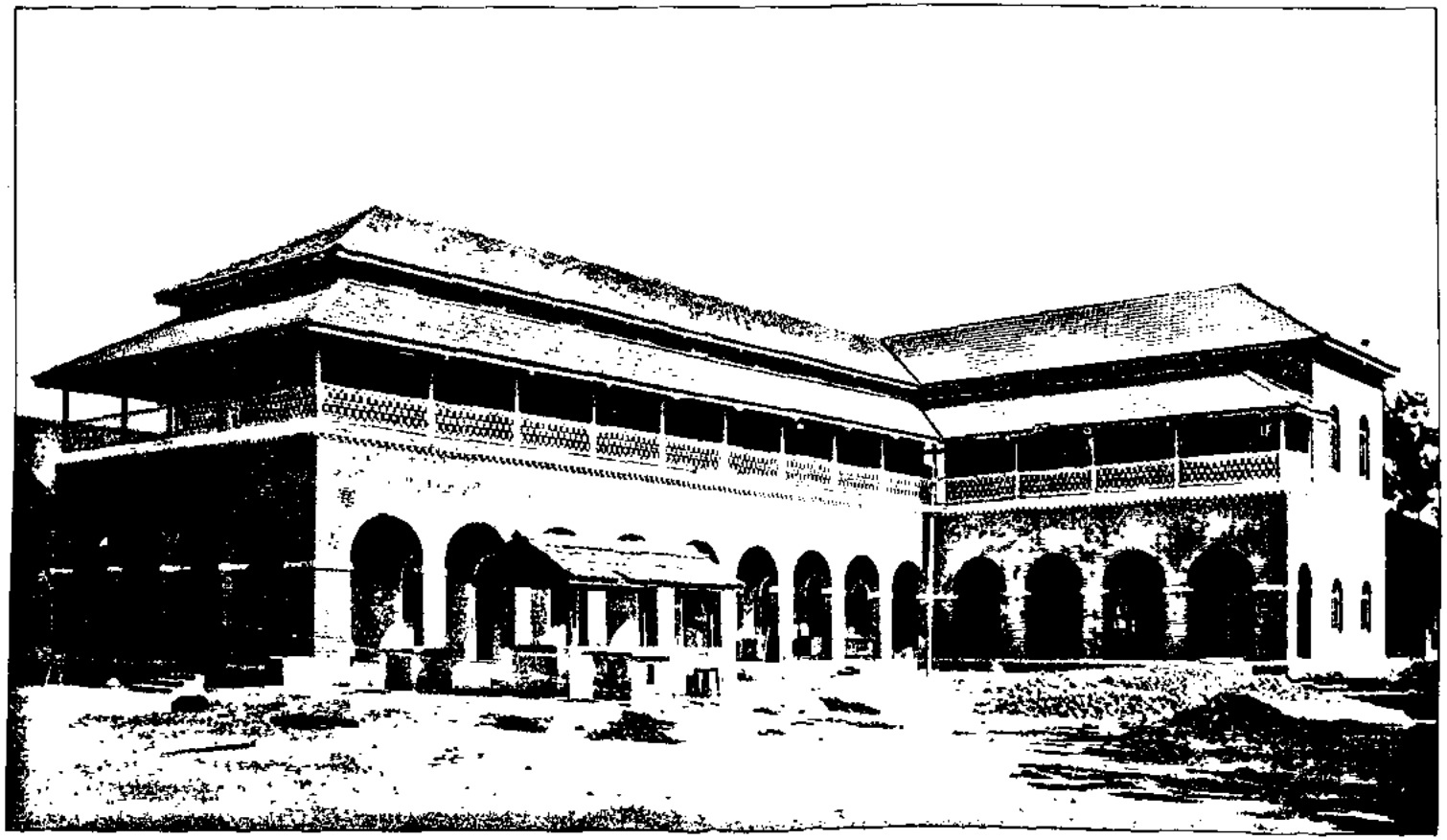
Estimated cost—Rs. 47,26,364

Actual cost—Rs. 36,22,208 (exclusive of Establishment and Tools and Plant charges)

Date of commencement—October 1920

Date of completion—February 1926

*Note*: Contribution work financed by the Bombay Municipality



EXTENSION OF THE B. J. MEDICAL SCHOOL ATTACHED TO THE HATHISING AND PREMABAI CIVIL HOSPITAL AT AHMEDABAD

Part front and side view

Estimated cost--Rs. 72,768

Work in progress

THE HATHISING AND PREMABAI CIVIL HOSPITAL, AHMEDABAD
EXTENSION OF THE OPHTHALMIC WARD
Part rear and side view
Estimated cost—Rs. 41,216
Work in progress

| *Stationery and Printing*— | | Rs. |
|---|---|---|
| On works .. .. .. .. | | 2,04,433 |
| On repairs .. .. .. .. | | 6,919 |
| Total .. | | 2,11,352 |

The work of constructing new Government Central Press, Charni Road Gardens, Bombay was in progress.

| *Miscellaneous Department*— | | Rs. |
|---|---|---|
| On works .. .. .. .. | | 96,477 |
| On repairs .. .. .. .. | | 17,971 |
| Total .. | | 1,14,448 |

The work of providing a chhatri over Shri Shivaji's Samadhi at Raigarh in the Ratnagiri Division was in progress.

*Central Workshops, Dapuri*

The workshop has made a considerable progress in spite of a period of trade depression and keen competition in the market. The gross turn over was Rs. 2,99,614 while that of the previous year was 2,97,344. Sixty-five sluice gates of different sizes, 317 doors and windows for prisons, 41 lamp posts for Lloyd Bridge, Poona, iron coverings for the wells of Ahmedabad Cantonment water-supply and 11 road roller rims were manufactured. A large number of special pipe castings of different sizes and angles, tees, bends and fire hydrants, etc., were also manufactured during the year. Seventeen steam road rollers were inspected during the course of the year.

Designs and estimates for plants were prepared and submitted for the schemes of water-supply at Alandi, Lloyd Barrage Township, Matheran, Jamkhandi, Kapadvanj, Poona Contonment, Islampur, Pandharpur (emergency plant) Nasik Jail, Godhra and Gokak.

Forty apprentices were taught trades and in addition instruction in vernacular was given by the school master. They were also given technical training in Mechanical Engineering and this work was entrusted in turn to graduates in Mechanical Engineering from the Engineering College. Two such graduates have been admitted for their practical training and they are proving very useful.

B.—Architectural

During the year under review the activity in design noted in the previous year's Administration Report was maintained.

Type designs for Second Class Sub-Judge's Court in Sind were prepared.

Designs and sketch plans were prepared for the following works *viz.* :

Post Office and New Central offices at Ahmedabad, New Council Hall in the compound of the Sailors' Home, Bombay, Police Accommodation schemes at Agripada and Naigaum, Bombay, Posts and Telegraph offices at Dadar and Parel, Bombay, Flats on the Bird Cage Site, Colaba, Public Works Department, War Memorial Tablet, Judicial Courts, Dharwar, High Court and Police offices at Karachi, Judicial Buildings at Nadiad, New Administrative offices next to Council Hall, Poona, District and Sub-Civil Courts, Poona, Post and Telegraph Office, Poona, New Court Buildings, Sholapur and Combined Post and Telegraph Office, Sukkur.

In regard to public or institutional buildings, designs were made for King Edward VII Memorial Hospital, Parel, Bombay, Ismail College, Andheri, Sir J. J. Hospital reconstruction scheme, Bombay, Administration and X-Ray Block, G. T. Hospital, Bombay, Shri Shivaji Memorial at Raigarh and Central Hospital, Shikarpur.

C.—ELECTRICAL

| | Central | Provincial |
|---|---|---|
| | Rs. | Rs. |
| On works .. .. .. | 15,381 | 1,68,731 |
| On repairs .. .. | 13,568 | 2,24,954 |
| Total .. | 28,949 | 3,93,685 |

The following important electric works were either in progress or completed during the year :—

Electric installations were provided in the King Edward Memorial Hospital, Sholapur, Government buildings at Kopri, Thana Division, King Edward Memorial Hospital, Parel, Bombay, Police Accommodation Scheme, Naigaum, Bombay and Cantonment Buildings at Ahmedabad.

D.—COMMUNICATIONS

| | Rs. |
|---|---|
| On works .. .. .. .. | 22,04,467 |
| On repairs .. .. .. .. | 32,90,288 |
| Total .. | 54,94,755 |

The principal works completed or nearly so during the year were :—

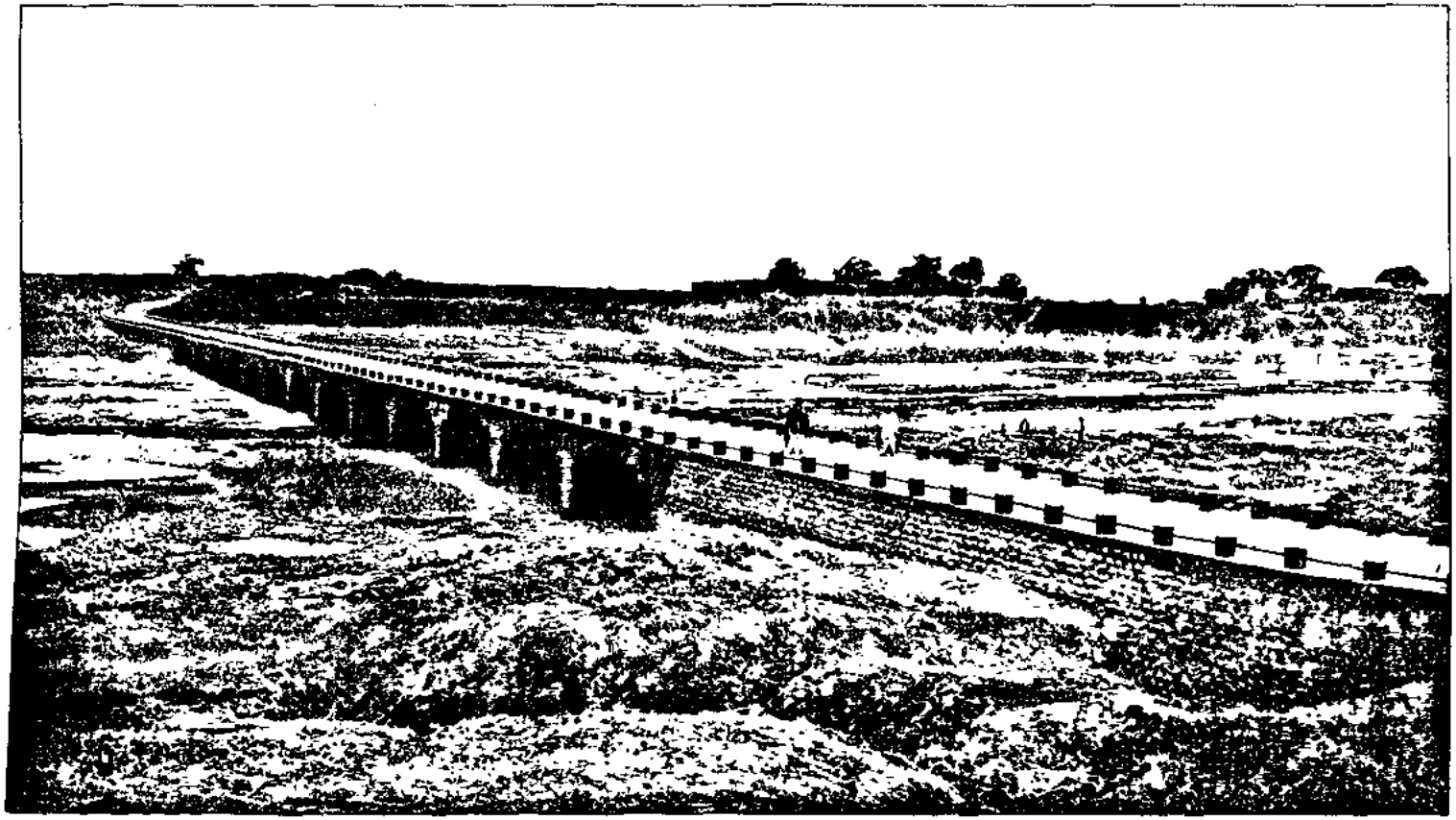
Additions and alterations to the—

Jungshahi Baghar road, Karachi, Canals Division.,

New—

Bridges over the Saitani and Chormuli rivers on the Bhiwandi-wada Road, Thana Division.

Bridge over the Gadhedia Nalla on the Broach Jambusar Road, Surat and Broach Division.



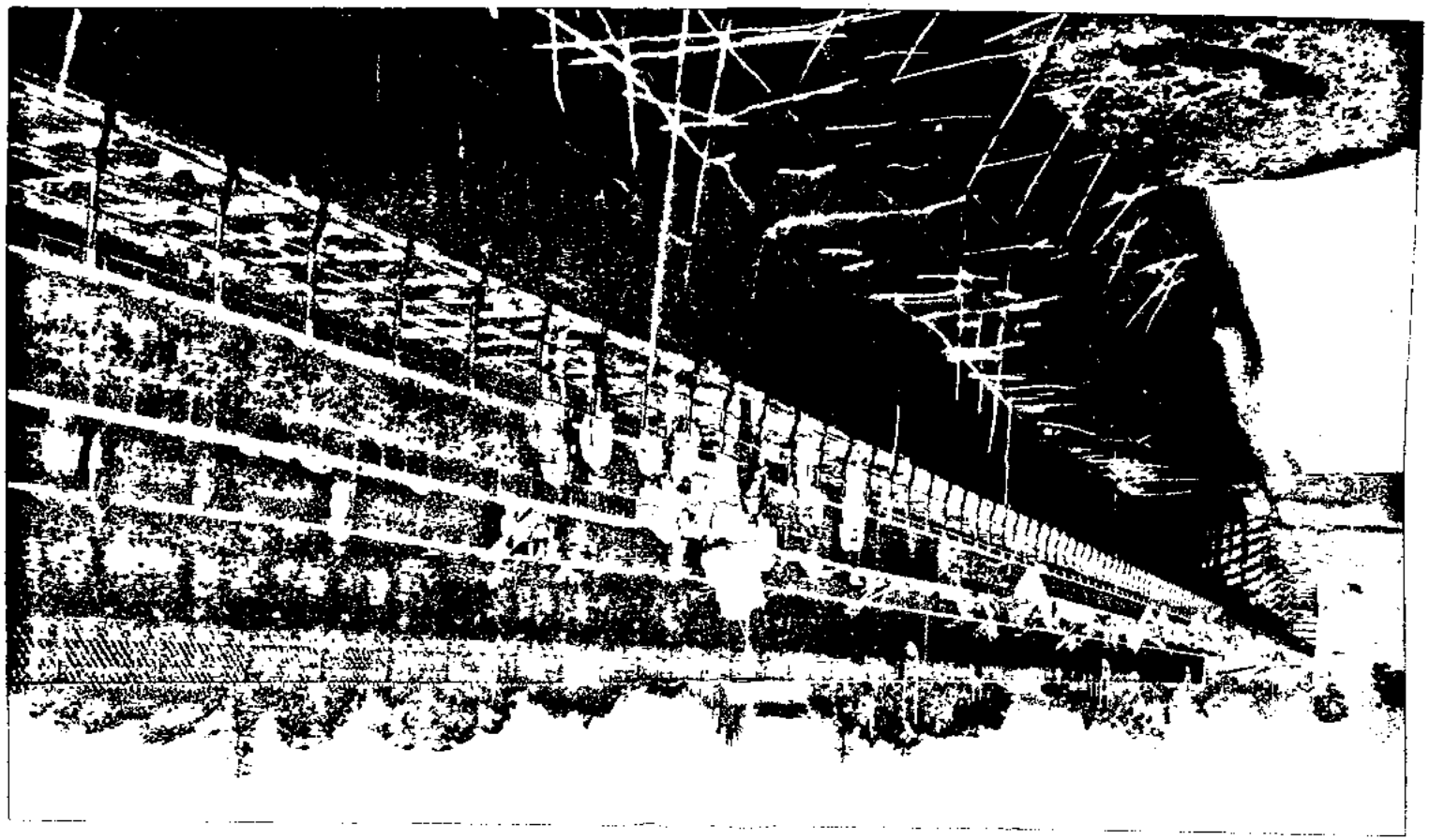
CAUSEWAY OVER THE RIVER SINA AT WADAKBAL ON THE SHOLAPUR-BIJAPUR ROAD WITH 13 OPENINGS OF 20′ SPAN EACH

Estimated cost—Rs. 86,613

Actual cost—Rs. 86,623

Date of commencement—January 1925

Date of completion—May 1926



CONVERTING THE OLD RAILWAY BRIDGE NEAR THE SANGAM, POONA, INTO A ROAD BRIDGE

View from upstream

Estimated cost—Rs. 6,95,081

Date of commencement—March 1926

Work in progress

Vented Causeway over the Dholdhara Khadi on the Chikhli-Matwad road, Surat and Broach Division.

Road from Anand to Nahapa, Kaira and Panch Mahals Division.

Bridge over the Andhrukhia nalla on the Dohad-Alirajpur road, Kaira and Panch Mahals Division.

Causeway over the Tupari nalla on the Dharwar-Saundatti road, Belgaum Division.

The principal works still in progress at the end of the year were:

Additions and alterations to—

Roads, Bombay-Poona, Ganeshkhind-Pashan Tank, Poona-Khadakwasla, Hadapsar-Nira, Poona-Sholapur, Indapur-Sarati, Alandi-Chakan, Poona-Paud-Lonavla, Junnar-Narayangaon, Poona-Nasik and Talegaon-Chakan, Poona Division. Karmala-Ahmednagar road, Sholapur Division, Nagar-Dhond road, Ahmednagar Division, Khandesh-Nizam's Frontier road, Malegaon-Chalisgaon road and Chandor-Manmad road in Nasik Division, Chalisgaon-Edlabad road, East Khandesh Division, Math-Kasál road, Belgaum Division and Mahad-Pandharpur road, Malsiras Division.

New—

| | |
|---|---|
| The diversion of Uran-Panvel road. | Thana Division. |
| High level causeway over the Surya river on the Dahanu-Jawhar road. | |
| Road from Parola to Bhiwandi. | |
| Causeway over the Khan river on the Dohad-Alirajpur road. | Kaira and Panch Mahals Division. |
| Bridge over the Gaghuchia nalla on the Dohad-Alirajpur road. | |
| Bridge over the Kharwa-Kotar river on the Dohad-Limdi road. | |
| Road to connect Wellesley road and Aundh road No. 1 over the Old Sangam Railway bridge and conversion of this bridge into a road bridge | Poona Division. |
| Roads and drains on the land acquired for the development of the Suburb East of Koregaon road. | |
| Causeway over the Nagzari river on the Sholapur-Barsi road. | Sholapur Division. |
| Causeway over the Sina river at Wadakbal on the Sholapur-Bijapur road. | |
| Causeway over the river Bhima at Pandharpur. | |
| Causeways over the Mahalungi and Ardala rivers on the Kolhar-Ghoti road. | Ahmednagar Division. |
| Road from Lakh station to Belapur Town. | |
| Causeway over the Yerla river on the Karad-Bijapur road. | Satara Division. |

| | |
|---|---|
| Approaches to the Lloyd Bridge and the road adjoining the Ganeshkhind road. | Head Quarters, Works Division. |
| Extension of the Chalisgaon-Outramghat road and Dhulia-Bhusaval road. | East Khandesh Division. |
| Causeway across the river Girna near Jalgaon. | |
| Bridge over the Tapti river at Gidhad on the Bombay-Agra road. | West Khandesh Division. |
| Road from Taloda to Shahada, sections I and II. | |
| Low level causeway across the river Arunavati at Shirpur. | |
| Causeway over the Kumta creek on the Mirjan-Madras Frontier road and landing stages at Badgani. | Kanara Division. |
| Causeway over the Malaprabha river at Govankop. | Bijapur Division. |
| Diverting the nala near Guledgud. | |
| Bridge over the Amba river on the Dharamtar-Mahableshwar road. | Ratnagiri Division. |
| Bridge over the Bav river on the Hatkhamba-Poladpur road. | |
| Bridging several nallas on the Dharamtar-Mahableshwar road. | |
| The development of Artillery Maidan and extension of Central Avenue, Karachi. | Karachi Buildings Division. |
| Low level bridge over the Nira river at Padegaon. | Mutha Canals Division. |

*Arboriculture*

Nurseries were maintained at various places and the planting, watering and protection of road side trees continued to receive careful attention. About 19,437 trees were planted during the year along Provincial and Local Fund roads in charge of this Department.

Bombay Development—Under this head Rs. 3,334 were spent on repairs during the year.

E—Miscellaneous

| | Rs. |
|---|---|
| On works .. .. .. .. | 7,31,278* |
| On repairs .. .. .. .. | 1,01,760† |
| Total .. | 8,33,038 |

*Water Supply and Drainage*

The scheme for independent water supply for Ahmedabad Cantonment was in progress. Improvements to water supply at Pandharpur, Poona

* Includes Rs. 7,05,598 from Deposits, Municipal Funds, etc.
† Includes Rs. 76,967 from Deposits, Municipal Funds, etc.

EXTENSION OF THE DHULIA-BHUSAWAL ROAD TO THE NIMAR FRONTIER—SECTION FROM WARANGAON TO EDLABAD

Bridge over the Bhogavati river

7 spans each of 30 feet

Estimated cost—Rs. 3,40,678

Expenditure to end of 1925-26—Rs. 3,12,711

Work in progress

Cantonment, Kapadvanj, Sanand, Dholka, Matheran, Uran, Vita, Sholapur and Lonavla were carried out during the year.

Certain drainage works at Sholapur, Dhulia, Kapadvanj, Dharwar and Poona were also carried out during the year.

Boring operations in connection with the water supply by power and hand boring machines were conducted at Aden, Karachi (Drigh road), Dhandhuka, Gedia, Jakshi, Sarkhej, Vinzuwada (Ahmedabad Division), Matheran and Lonavala.

# APPENDIX I

## APPENDIX

*Statement of expenditure on Civil and*

| Service Heads | Original Works | | | | Grants |
|---|---|---|---|---|---|
| | Grant | Outlay | | | |
| | | As per accounts for March 1926 (final) | Subsequent adjustments by journal entries | Total | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| 43.—FAMINE RELIEF AND INSURANCE | | | | | |
| *A—Famine Relief* | | | | | |
| Relief Works | | | | | |
| Communications— | | | | | |
| Wages of labour .. .. | .... | .... | .... | .... | .... |
| Other charges .. .. | .... | 4,009 | .... | 4,009 | .... |
| Total, 43—Famine .. | .... | 4,009 | .... | 4,009 | .... |
| 50.—MILITARY WORKS | | | | | |
| Works (including Barrack Departments) .. .. | 1,91,855 | 1,83,717 | .... | 1,83,717 | 2,43,045 |
| Establishment—Non-Voted .. | .... | .... | .... | .... | .... |
| Establishment—Voted .. | .... | .... | .... | .... | .... |
| Tools and Plants .. .. | .... | .... | .... | .... | .... |
| Suspense .. .. | .... | .... | .... | .... | .... |
| *Deduct*—English Cost of Stores .. | .... | .... | .... | .... | .... |
| Loss or Gain by Exchange .. | .... | .... | .... | .... | .... |
| Expenditure in England .. | .... | .... | .... | .... | .... |
| Total, Military Works .. | 1,91,855 | 1,83,717 | .... | 1,83,717 | 2,43,045 |
| 41.—CIVIL WORKS (CENTRAL) | | | | | |
| Buildings .. Non-Voted .. | .... | 36,083 | 312 | 36,395 | .... |
| Buildings .. Voted .. | 2,08,500 | 1,86,510 | —*18,378* | 1,67,632 | 2,89,000 |
| Communications .. .. | .... | .... | .... | .... | .... |
| Miscellaneous .. .. | .... | .... | .... | .... | .... |
| Establishment .. Non-Voted .. | .... | .... | .... | .... | .... |
| Establishment .. Voted .. | .... | .... | .... | .... | .... |
| Tools and Plants Non-Voted .. | .... | .... | .... | .... | .... |
| Tools and Plants Voted .. | .... | .... | .... | .... | .... |
| Carried over .. | 2,08,500 | 2,22,593 | —*18,566* | 2,04,027 | 2,89,000 |

I

*Military Works during 1925-1926*

| Repairs | | | Total | | | |
|---|---|---|---|---|---|---|
| Outlay | | | | Outlay | | |
| As per accounts for March 1926 (final) | Subsequent adjustments by journal entries | Total | Grants | As per accounts for March 1926 (final) | Subsequent adjustments by journal entries | Total |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| .... | .... | .... | .... | .... | .... | .... |
| .... | .... | .... | .... | 4,009 | .... | 4,009 |
| .... | .... | .... | .... | 4,009 | .... | 4,009 |
| 2,46,900 | .... | 2,46,900 | 4,34,900 | 4,30,617 | .... | 4,30,617 |
| .... | .... | .... | .... | 22,477 | .... | 22,477 |
| .... | .... | .... | 65,105 | 65,681 | .... | 65,681 |
| .... | .... | .... | 4,452 | 4,901 | .... | 4,901 |
| .... | .... | .... | .... | .... | .... | .... |
| .... | .... | .... | .... | .... | .... | .... |
| .... | .... | .... | .... | .... | .... | .... |
| .... | .... | .... | .... | .... | .... | .... |
| 2,46,900 | .... | 2,46,900 | 5,04,457 | 5,23,676 | .... | 5,23,676 |
| 14,374 | 718 | 15,092 | .... | 50,457 | 1,030 | 51,487 |
| 2,41,772 | 15,852 | 2,57,624 | 4,97,500 | 4,28,282 | —3,026 | 4,25,256 |
| 1,827 | .... | 1,827 | .... | 1,827 | .... | 1,827 |
| 8,028 | .... | 8,028 | .... | 8,028 | .... | 8,028 |
| .... | .... | .... | 44,000 | 34,701 | 288 | 35,079 |
| .... | .... | .... | 1,03,300 | 66,800 | —3<br>—1 | 66,797<br>—1 |
| .... | .... | .... | .... | 752 | 20 | 772 |
| .... | .... | .... | 7,500 | 8,191 | .... | 8,191 |
| 2,66,001 | 16,570 | 2,82,571 | 6,52,300 | 5,99,128 | —1,692 | 5,97,436 |

## APPENDIX

| Service Heads | Original Works | | | | |
|---|---|---|---|---|---|
| | Grant | Outlay | | | Grants |
| | | As per accounts for March 1926 (final) | Subsequent adjustments by journal entries | Total | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| Brought forward .. | 2,08,500 | 2,22,593 | —18,566 | 2,04,027 | 2,89,000 |
| 41.—CIVIL WORKS (CENTRAL)—contd. | | | | | |
| Suspense .. .. | .... | .... | .... | .... | .... |
| *Deduct*—English Cost of Stores and Establishment—Stores .. .. | .... | .... | .... | .... | .... |
| Loss or gain by Exchange—Stores .. .. .. | .... | .... | .... | .... | .... |
| Expenditure in England—Stores .. .. .. | .... | .... | .... | .... | .... |
| Total, 41—Civil Works (Central).. | 2,08,500 | 2,22,593 | —18,566 | 2,04,027 | 2,89,000 |
| 41.—CIVIL WORKS (PROVINCIAL) | | | | | |
| Buildings { Reserved .. | 1,59,500 | 1,52,896 | .... | 1,52,896 | 2,59,500 |
| Buildings { Transferred .. | 17,25,828 | 15,18,103 | 1,951 | 15,20,054 | .... |
| Communications .. | 10,49,841 | 9,79,287 | .... | 9,79,287 | 47,47,570 |
| Miscellaneous .. .. | 3,400 | 8,246 | —3,354 | 4,892 | .... |
| Establishment—Reserved .. | .... | .... | .... | .... | .... |
| Establishment { Non-Voted .. | .... | .... | .... | .... | .... |
| Establishment { Voted .. | .... | .... | .... | .... | .... |
| Establishment—Transferred .. | .... | .... | .... | .... | .... |
| Non-Voted .. .. | .... | .... | .... | .... | .... |
| Voted .. .. | .... | .... | .... | .... | .... |
| Carried over .. | 29,38,629 | 26,53,532 | —1,403 | 26,57,129 | 50,07,070 |
| | .... | 4,10,319 | —18,566 | 3,91,753 | .... |

I—*contd.*

| Repairs | | | Total | | | |
|---|---|---|---|---|---|---|
| Outlay | | | | Outlay | | |
| As per accounts for March 1926 (final) | Subsequent adjustments by journal entries | Total | Grants | As per accounts for March 1926 (final) | Subsequent adjustments by journal entries | Total |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| 2,66,001 | 16,570 | 2,82,571 | 6,52,300 | 5,99,128 | *—1,692* | 5,97,436 |
| .... | .... | .... | .... | 1,921 | 8,288 | 10,209 |
| .... | .... | .... | .... | *—6* | .... | *—6* |
| .... | .... | .... | .... | 2 | .... | 2 |
| .... | .... | .... | .... | 4 | .... | 4 |
| 2,66,001 | 16,570 | 2,82,571 | 6,52,300 | 6,01,049 | 6,596 | 6,07,645 |
| 2,53,812 | .... | 2,53,812 | 4,19,000 | 4,06,708 | .... | 4,06,708 |
| 14,17,574 | 1,034 | 14,18,608 | .... | 29,35,677 | 2,985 | 29,38,662 |
| 32,90,287 | .... | 32,90,287 | 75,20,609 | 42,09,574 | .... | 42,09,574 |
| 24,793 | .... | 24,793 | .... | 33,039 | *—3,354* | 29,685 |
| .... | .... | .... | .... | .... | .... | .... |
| .... | .... | .... | .... | 24,728 | .... | 24,728 |
| .... | .... | .... | .... | 58,891 | .... | 58,891 |
| .... | .... | .... | .... | .... | .... | .... |
| .... | .... | .... | 12,30,000 | 4,98,269 | .... | 4,98,269 |
| .... | .... | .... | 20,72,881 | 13,07,523 | 7 | 13,07,530 |
| 49,86,466 | 1,034 | 49,87,500 | 1,12,57,580 | 95,34,400 | *—362* | 95,34,047 |
| 5,12,901 | 16,570 | 5,29,471 | .... | 11,23,734 | 6,596 | 11,35,330 |

## APPENDIX

| Service Heads | Original Works | | | | Grants |
|---|---|---|---|---|---|
| | Grant | Outlay | | | |
| | | As per accounts for March 1926 (final) | Subsequent adjustments by journal entries | Total | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| Brought forward .. | .... | .... | .... | .... | .... |
| | .... | .... | .... | .... | .... |
| 41.—CIVIL WORKS (PROVINCIAL)—contd. | | | | | |
| Tools and Plant—Reserved .. | .... | .... | .... | .... | .... |
| Tools and Plant—Transferred .. | .... | .... | .... | .... | .... |
| Grants-in-aid .. .. | .... | .... | .... | .... | .... |
| Suspense .. .. | .... | .... | .... | .... | .... |
| *Deduct*—English Cost of Stores and Establishment Transferred— | | | | | |
| Stores .. .. | .... | .... | .... | .... | .... |
| Establishment Transferred—Non-Voted .. | .... | .... | .... | .... | .... |
| Establishment Transferred—Voted .. | .... | .... | .... | .... | .... |
| Reserved Establishments—Non-Voted. | .... | .... | .... | .... | .... |
| Loss or gain by Exchange (Transferred)— | | | | | |
| Stores .. .. | .... | .... | .... | .... | .... |
| Transferred Establishment—Non-Voted. | .... | .... | .... | .... | .... |
| Transferred Establishment—Voted. | .... | .... | .... | .... | .... |
| Reserved Establishment—Non-Voted. | .... | .... | .... | .... | .... |
| Expenditure in England (Transferred)— | | | | | |
| Stores .. .. .. | .... | .... | .... | .... | .... |
| Transferred Establishments—Non-Voted. | .... | .... | .... | .... | .... |
| Transferred Establishments—Voted. | .... | .... | .... | .... | .... |
| Reserved Establishment—Non-Voted. | .... | .... | .... | .... | .... |
| Total, 41—Civil Works (Provincial). | .... | .... | .... | .... | .... |
| | .... | .... | .... | .... | .... |

1—*contd.*

| Repairs | | | | Total | | |
|---|---|---|---|---|---|---|
| Outlay | | | | Outlay | | |
| As per accounts for March 1926 (final) | Subsequent adjustments by journal entries | Total | Grants | As per accounts for March 1926 (final) | Subsequent adjustments by journal entries | Total |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| .... | .... | .... | .... | 11,28,784 | 6,596 | 11,35,330 |
| .... | .... | .... | 1,12,57,580 | 95,34,409 | *—362* | 95,34,047 |
| .... | .... | .... | .... | 20,372 | .... | 20,372 |
| .... | .... | .... | 4,07,619 | 3,03,360 | .... | 3,03,360 |
| .... | .... | .... | 2,31,035 | 1,29,863 | .... | 1,29,863 |
| .... | .... | .... | 1,80,289 | *—3,09,543* | *—2,956* | *—3,12,509* |
| .... | .... | .... | 6,15,800 | *—2,80,310* | 2,514 | *—2,77,796* |
| .... | .... | .... | .... | *—3,17,281* | *—33,682* | *—3,50,963* |
| .... | .... | .... | .... | *—27,605* | 8,635 | *—18,970* |
| .... | .... | .... | .... | *—24,958* | 24,958 | .... |
| .... | .... | .... | 74,400 | 69,123 | *—623* | 68,500 |
| .... | .... | .... | 74,000 | 78,571 | 8,510 | 87,081 |
| .... | .... | .... | 14,000 | 6,835 | *—2,130* | 4,705 |
| .... | .... | .... | .... | 6,358 | *—6,358* | .... |
| .... | .... | .... | 2,70,010 | 2,11,200 | *—1,904* | 2,09,296 |
| .... | .... | .... | 2,70,000 | 2,38,710 | 25,172 | 2,63,882 |
| .... | .... | .... | 10,900 | 20,770 | *—6,505* | 14,265 |
| .... | .... | .... | .... | 18,600 | *—18,600* | .... |
| .... | .... | .... | 1,21,92,033 | 96,78,483 | *—3,341* | 96,75,142 |
| .... | .... | .... | .... | 11,28,784 | 6,596 | 11,35,330 |

## APPENDIX

| Service Heads | Original Works | | | | Grants |
|---|---|---|---|---|---|
| | | Outlay | | | |
| | Grant | As per accounts for March 1926 (final) | Subsequent adjustments by journal entries | Total | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| 60.—CIVIL WORKS | | | | | |
| Buildings .. .. | 52,31,250 | 52,32,672 | *4,719* | 52,27,953 | .... |
| Communications .. .. | 14,87,150 | 12,25,180 | .... | 12,25,180 | .... |
| Miscellaneous .. .. | .... | 20,788 | .... | 20,788 | .... |
| Establishment { Non-Voted .. | .... | .... | .... | .... | .... |
| Establishment { Voted .. | .... | .... | .... | .... | .... |
| Tools and Plant .. .. | .... | .... | .... | .... | .... |
| Total, 60—Civil Works .. | 67,18,400 | 64,78,640 | *4,719* | 64,73,921 | .... |
| District Local Funds .. | .... | .... | .... | .... | .... |
| Deposit Contributions .. | .... | .... | .... | .... | .... |
| Grand Total .. | .... | .... | .... | .... | .... |

I—*contd.*

| Repairs | | | Total | | | |
|---|---|---|---|---|---|---|
| Outlay | | | | Outlay | | |
| As per accounts for March 1926 (final) | Subsequent adjustments by journal entries | Total | Grants | As per accounts for March 1926 (final) | Subsequent adjustments by journal entries | Total |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| .... | .... | .... | 52,31,250 | 52,32,672 | *—4,719* | 52,27,953 |
| .... | .... | .... | 14,87,150 | 12,25,180 | .... | 12,25,180 |
| .... | .... | .... | .... | 20,788 | .... | 20,788 |
| .... | .... | .... | .... | 2,92,552 | .... | 2,92,552 |
| .... | .... | .... | 14,15,800 | 9,12,527 | .... | 9,12,527 |
| .... | .... | .... | 98,800 | 1,60,496 | .... | 1,60,496 |
| .... | .... | .... | 82,33,000 | 78,44,215 | *—4,719* | 78,39,496 |
| .... | .... | .... | .... | 3,57,441 | .... | 3,57,441 |
| .... | .... | .... | .... | 25,10,349 | .... | 25,10,349 |
| .... | .... | .... | .... | 2,15,19,222 | *—1,463* | 2,15,17,758 |

S. K. MEHTA,
Assistant Accounts Officer.

# APPENDIX

*Statement of Roads not within Municipal boundaries, giving lengths of Local authorities, respectively,*

| Name of Circle | Name of Division | Length of metalled roads maintained by the P. W. D. | | Length of unmetalled roads maintained by the P. W. D. | |
|---|---|---|---|---|---|
| 1 | 2 | 3 | | 4 | |
| | | M. | Ft. | M. | Ft. |
| Northern Circle | Thana | (a) 466 | 4,474 | 5 | 3,300 |
| | Surat | (b) 173 | 3,426 | (b) 18 | 4,503 |
| | Broach | 53 | 5,178 | .... | |
| | Kaira | (c) 180 | 3,719 | 9 | 680 |
| | Panch Mahals | (d) 175 | 201 | (d) 17 | 2,640 |
| | Baroda Cantonment | 3 | 4,300 | .... | |
| | Ahmedabad | (e) 126 | 39 | (e) 82 | 460 |
| Central Circle | Poona | (f) 439 | 3,543 | (f) 70 | 2,580 |
| | Head Quarters Works | 25 | 1,560 | .... | |
| | Satara | (g) 427 | 3,461 | (g) 45 | 330 |

*Note.*—The lengths of Provincial roads in columns 3 and 4 in the above statement Bombay Presidency are not now required to contribute towards the maintenance of Remarks column.

(*a*) The increases in columns 3 and 9 are due to the transfer of certain lengths of the 5 is due partly to the conversion of certain unmetalled lengths into metalled ones and the year and adjustment of certain lengths of metalled roads as now reported by the lengths of roads constructed by the Board and partly to adjustment of certain lengths

(*b*) The increases in columns 3 and 5 are due partly to certain unmetalled roads during the year. The decrease in column 4 is due to the conversion of certain lengths unmetalled roads taken up for maintenance by the Board.

(*c*) The increases in columns 3 and 9 are due to the inclusion of certain new lengths adjustment of certain lengths of metalled roads as now communicated by the Board. roads constructed by the Board.

(*d*) The increase in column 3 and the decrease in column 4 is due to the conversion of in column 6 is due to the conversion of certain unmetalled lengths into metalled ones.

(*e*) The decreases in columns 3 and 4 are due to certain lengths of roads having been and 6 are due partly to certain lengths of roads having been taken over by the District by the Board and adjustment of certain lengths of roads made by the Board.

(*f*) The increases in columns 3 and 9 and decreases in columns 4 and 10 are due of new lengths as well as to the extension of the Municipal limits of the Poona serving single villages having been brought on the list of the District Local Board

(*g*) The increase in column 3 and decrease in column 4 is due to the metalling of 1 mile length of roads.

II

*metalled and unmetalled roads maintained by the Public Works and during the year 1925-26.*

| Length of metalled roads maintained by Local authorities | | Length of unmetalled roads maintained by Local authorities | | Total length of metalled roads | | Total length of unmetalled roads | | Remarks | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Metalled roads maintained by the P. W. D. in Municipal limits | | Unmetalled roads maintained by the P. W. D. in Municipal limits | |
| 5 | | 6 | | 7 | | 8 | | 9 | | 10 | |
| M. | Ft. | M. | Ft. | M. | Ft. | M. | Ft. | M. | Ft. | M. | Ft. |
| (a) | | (a) | | | | | | (a) | | | |
| 286 | 746 | 301 | 1,309 | 752 | 5,220 | 306 | 4,609 | 13 | 4,190 | .... | |
| (b) | | (b) | | | | | | | | | |
| 101 | 5,135 | 249 | 2,549 | 275 | 3,281 | 268 | 1,772 | .... | | .... | |
| 28 | 1,430 | 93 | 3,300 | 82 | 1,328 | 93 | 3,300 | 1 | 1,920 | .... | |
| (c) | | (c) | | | | | | (c) | | | |
| 42 | 3,862 | 21 | 737 | 223 | 2,301 | 30 | 1,447 | 10 | 1,915 | .... | |
| (d) | | (d) | | | | | | | | | |
| 9 | 1,668 | 11 | 1,320 | 184 | 1,869 | 28 | 3,960 | 1 | 1,918 | .... | |
| .... | | .... | | 3 | 4,300 | .... | | .... | | .... | |
| (e) | | (e) | | | | | | | | | |
| 53 | 3,368 | 276 | 844 | 179 | 3,407 | 358 | 1,304 | .... | | .... | |
| | | (f) | | | | | | (f) | | (f) | |
| .... | | 1,204 | 915 | 439 | 3,643 | 1,274 | 3,495 | 37 | 5,027 | .... | |
| .... | | .... | | 25 | 1,560 | .... | | 7 | 4,380 | .... | |
| | | (g) | | | | | | | | | |
| 207 | 2,970 | 959 | 4,290 | 635 | 1,151 | 1,004 | 4,620 | 15 | 2,009 | 3 | 1,320 |

are exclusive of the portions passing through Municipal limits. The Municipalities in the Provincial roads passing through their limits and the lengths of these are shown in the

Bandra-Ghodbunder road from the Development Department. The increase in column partly to the inclusion of certain new lengths of roads constructed by the Board during Board. The increase in column 6 is due partly to the inclusion of certain new unmetalled of unmetalled roads as now reported by the Board.

having been metalled and partly to certain new length of metalled roads constructed of roads into metalled ones. The increase in column 6 is due to certain new lengths of

of metalled roads constructed during the year. The decrease in column 5 is due to the The increase in column 6 is due to the inclusion of certain new lengths of unmetalled

certain unmetalled roads into metalled ones. The increase in column 5 and the decrease

handed over to the District Local Board for maintenance. The increases in columns 5 Local Board for maintenance and partly to the treating of certain lengths as unmetalled

partly to unmetalled lengths of roads having been metalled and partly to the construction Suburban and Alandi Municipalities. The increase in column 6 is due to minor roads roads.

from unmetalled roads. The increase in column 6 is due to the construction of new

## APPENDIX

| Name of Circle | Name of Division | Length of metalled roads maintained by the P. W. D. | | Length of unmetalled roads maintained by the P. W. D. | |
|---|---|---|---|---|---|
| 1 | 2 | 3 | | 4 | |
| | | M. | Ft. | M. | Ft. |
| Central Circle—*concld.* | Sholapur .. .. | (*h*) 224 | 1,026 | .... | |
| | Ahmednagar .. .. | 329 | 3,953 | 17 | |
| | Nasik .. .. | 608 | 3,081 | 27 | 1,140 |
| | East Khandesh .. | 426 | 2,941 | 10 | 660 |
| Deccan Irrigation Circle. | West Khandesh .. | (*j*) 336 | 2,750 | (*j*) 3 | 2,640 |
| | Poona Irrigation .. | 62 | 845 | 1 | 3,300 |
| | Lake Whiting .. | 18 | 3,512 | .... | |
| | Lonand (Now Mutha Canal) | 38 | 4,028 | .... | |
| | Malsiras .. .. | (*k*) 108 | 533 | (*k*) 73 | 1,068 |
| Southern Circle | Belgaum .. .. | (*l*) 440 | 4,316 | (*l*) 36 | 4,250 |
| | Dharwar .. .. | 349 | 945 | 77 | 1,945 |
| | Bijapur .. .. | (*m*) 304 | 5,157 | (*m*) 113 | 241 |
| | Ratnagiri .. .. | 441 | 2,589 | .... | |
| | Kanara .. .. | 389 | 3,243 | (*n*) 259 | 280 |
| | Nasrat Canals .. .. | 2 | 523 | 96 | 0 |
| Indus Left Bank Circle | Hyderabad Canals .. | 4 | 660 | 123 | 526 |
| | Fuleli Canals .. | 3 | 2,640 | 56 | 2,328 |
| | Eastern Nara .. .. | .... | | 60 | 3,960 |
| | Northern Jamrao Canal .. | .... | | (*p*) 297 | 3,960 |
| | Southern Jamrao Canal .. | .... | | 690 | 0 |

(*h*) The decrease in column 3 and increase in column 9 is due to the extension of the refixing of mile stones.

(*i*) The increase in column 5 and the decrease in column 6 is due to the metalling of a maintenance.

(*j*) The decreases in columns 3 and 4 and increases in columns 5 and 6 are due to Khandesh for maintenance and to the construction of new lengths during the year.

(*k*) The decreases in columns 3 and 4 are due to certain lengths of roads having been

(*l*) The increases in columns 3 and 5 and decreases in columns 4 and 6 are due to

(*m*) The increase in columns 3 and 5 and decrease in columns 4 and 6 are due to column 9 is due to certain lengths of roads having been transferred to the Bijapur

(*n*) The decreases in columns 4 and 10 and increase in column 6 are due to certain

(*o*) The increase in column 5 and decrease in column 6 is due to conversion of certain

(*p*) The increase in column 4 is due to opening out new service road during the year.

II—*contd.*

| Length of metalled roads maintained by Local authorities | | Length of unmetalled roads maintained by Local authorities | | Total length of metalled roads | | Total length of unmetalled roads | | Remarks: Metalled roads maintained by the P. W. D. in Municipal limits | | Remarks: Unmetalled roads maintained by the P. W. D. in Municipal limits | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | | 6 | | 7 | | 8 | | 9 | | 10 | |
| M. | Ft. | M. | Ft. | M. | Ft. | M. | Ft. | M. | Ft. | M. | Ft. |
| | | | | | | | | (*h*) | | | |
| 109 | 2,285 | 509 | 4,620 | 333 | 3,311 | 509 | 4,620 | 19 | 4,003 | .... | |
| 388 | 3,235 | 310 | 1,320 | 718 | 1,908 | 327 | 1,320 | 1 | .... | .... | |
| 23 | 4,863 | 343 | 4,290 | 632 | 2,664 | 371 | 150 | 13 | 4,491 | 0 | 1,575 |
| (*i*) | | (*i*) | | | | | | | | | |
| 69 | 290 | 264 | 275 | 495 | 3,231 | 274 | 1,035 | 24 | 715 | 0 | 3,960 |
| (*j*) | | (*j*) | | | | | | | | | |
| 41 | 2,128 | 587 | 3,300 | 377 | 4,878 | 591 | 660 | 4 | 2,640 | .... | |
| | 4,290 | .... | | 62 | 5,135 | 1 | 3,300 | .... | | .... | |
| .... | | .... | | 18 | 3,512 | .... | | .... | | .... | |
| .... | | .... | | 88 | 4,028 | .... | | .... | | .... | |
| .... | | .... | | 108 | 533 | 73 | 1,068 | 3 | 2,617 | .... | |
| (*l*) | | (*l*) | | | | | | | | | |
| 205 | 4,351 | 223 | 5,200 | 646 | 3,387 | 260 | 4,170 | 16 | 1,344 | .... | |
| 379 | 4,049 | 219 | 2,106 | 728 | 4,994 | 296 | 4,051 | 12 | 2,636 | 5 | 1,194 |
| (*m*) | | (*m*) | | | | | | (*m*) | | | |
| 179 | 840 | 204 | 290 | 484 | 717 | 317 | 531 | 7 | 1,458 | .... | |
| 293 | 3,255 | 957 | 3,339 | 735 | 564 | 957 | 3,339 | 11 | 2,679 | .... | |
| | | (*n*) | | | | | | | | (*n*) | |
| 44 | 2,460 | 515 | 4,157 | 434 | 423 | 774 | 4,437 | 15 | 5,174 | 7 | 3,284 |
| .... | | 921 | 3,274 | 2 | 523 | 1,017 | 3,274 | .... | | .... | |
| (*o*) | | (*o*) | | | | | | | | | |
| 6 | 2,640 | 608 | 3,960 | 10 | 3,300 | 731 | 4,486 | .... | | .... | |
| 2 | 3,960 | 762 | 1,320 | 6 | 1,320 | 818 | 3,659 | .... | | .... | |
| .... | | 2,467 | 1,980 | .... | | 2,528 | 660 | .... | | .... | |
| .... | | 226 | 1,320 | .... | | 524 | | .... | | .... | |
| .... | | 235 | 2,640 | .... | | 925 | 2,640 | .... | | .... | |

Municipal limits as well as the adoption of correct lengths due to remeasurement and certain length of unmetalled road and also to a new length having been taken over for the transfer of the District Local Board roads to the District Local Board West handed over to the District Local Board, Sholapur.

conversion of certain lengths of unmetalled roads into metalled ones.

conversion of certain lengths of unmetalled roads into metalled ones. The decrease in Municipality.

lengths of unmetalled roads having been transferred to the District Local Board, Kanara.

lengths of unmetalled roads into metalled ones.

APPENDIX

| Name of Circle | Name of Division | Length of metalled roads maintained by the P. W. D. | Length of unmetalled roads maintained by the P. W. D. |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| | | M. Ft. | M. Ft. |
| Indus Right Bank Circle | Karachi Buildings .. | (q) 29 2,640 | 88 2,640 |
| | Karachi Canals .. | 18 2,640 | 1 .. |
| | Western Nara .. .. | 5 .. | (r) 24 2,310 |
| | Ghar Canals .. .. | .... | .... |
| | Shikarpur Canals .. | (t) 0 4,455 | (t) 22 4,542 |
| | Begari Canals .. .. | .... | 30 2,280 |
| | Grand Total .. | 6,215 3,178 | 2,358 5,044 |

(q) The decrease in column 3 is due to lengths of roads having now been actually which was maintained by the Municipality having previously been included in this column 6 is due to conversion of certain lengths of unmetalled roads into metalled ones.

(r) The increase in column 4 is due to certain lengths of additional roads having been

(s) The increase in column 6 is due to certain mistake in the measurement of the

(t) The decreases in columns 3, 4, 5 and 6 are due to remeasurement of the lengths of

II—*contd.*

| Length of metalled roads maintained by Local authorities | | Length of unmetalled roads maintained by Local authorities | | Total length of metalled roads | | Total length of unmetalled roads | | Remarks | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Metalled roads maintained by the P. W. D. in Municipal limits | | Unmetalled roads maintained by the P. W. D. in Municipal limits | |
| 5 | | 6 | | 7 | | 8 | | 9 | | 10 | |
| M. | Ft. | M. | Ft. | M. | Ft. | M. | Ft. | M. | Ft. | M. | Ft. |
| (q) 8 | 2,970 | (q) 158 | 2,310 | 38 | 330 | 246 | 4,950 | .... | | .... | |
| 9 | 2,640 | 957 | 3,960 | 28 | .. | 958 | 3,960 | 1 | 1,980 | .... | |
| .... | | 1,638 | 4,700 | 5 | .. | 1,663 | 1,730 | .... | | .... | |
| 0 | 3,600 | (s) 761 | 1,437 | 0 | 3,600 | 761 | 1,437 | .... | | .... | |
| (t) 10 | 2,840 | (t) 1,177 | 3,710 | 11 | 2,015 | 1,200 | 2,972 | .... | | .... | |
| .... | | 1,067 | 2,640 | .... | | 1,097 | 4,920 | .... | | .... | |
| 2,504 | 1,235 | 18,236 | 3,592 | 8,719 | 4,413 | 20,595 | 3,366 | 219 | 576 | 17 | 773 |

measured. The decrease in column 4 is due to the 5½ miles of metalled portion of road column and which has now been omitted. The increase in column 5 and decrease in

included during the year.

previous year which has now been rectified.

roads and to certain mistakes in chaining during previous year.

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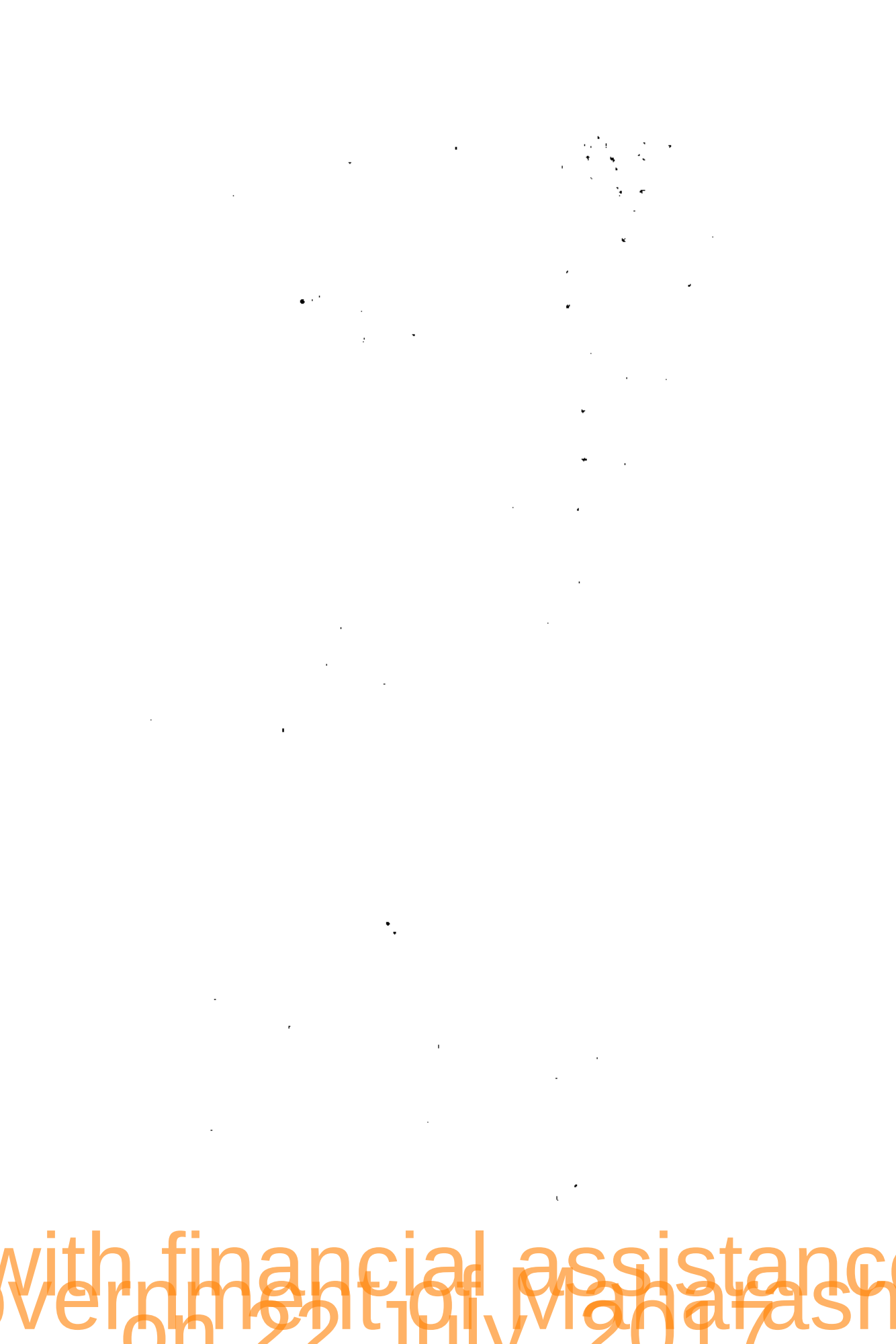
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on 22 July 2017

# BOMBAY PRESIDENCY

PUBLIC WORKS DEPARTMENT
DIVISION MAP
1925 – 26.

Scale – 16 Miles to 1 Inch

DIAGRAM SHOWING PUBLIC WORKS DEPARTMENT ADMINISTRATION